

5/17

DART AEROSPACE LTD	Work Order:	22926
Description: Hub Sleeve	Part Number:	D3233-5
Dwg: D3233 Rev. B	Qty:	9 8
		Page 1 of 1

Step	Location	Procedure	By	Date	Qty
1	DC	Issue Traveler	<i>[Signature]</i>	05.04.06	8
2	CL	Turn as per Dwg D3233 Material: AISI 1020-1025 Seamless Round Tubing Cold Drawn per MIL-T-5066 or ASTM A513-00 MT1020 SRA or AMS 5075 or AMS 5077 (M1020TR1.875W.250) Identify for D3233-5			
		Batch: M17015	CPL	05/04/19	89
3	QC2	Inspect parts as they come off the machine Identify as D3233-5			
4	CM	Mill as per Dwg D3233	EC	05.04.26	9
5	QC8	Second check	SD	05.05.04	9
6	CM	Deburr	CPL	05.05.04	9
7	QC5	Inspect work to Step 6	<i>[Signature]</i>	05.05.04	9
8	ST	Identify and Stock	CPL	05.05.04	9
9	AC	Cost / part 24.88	545	05.05.05	9
10	DC	Close W/O 24.88 Inspect Level 21	<i>[Signature]</i>	05.05.10	9

Rev	Date	Change	Revised By	Approved
A	05.03.14	New issue	KJ/JLM	<i>[Signature]</i>

RELEASED
11/15/03/15

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

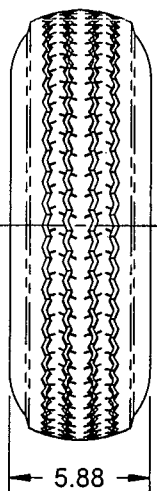
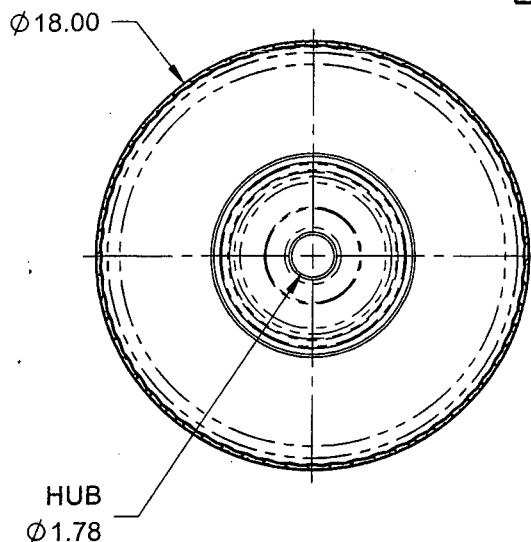
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

NOTE: Date & initial all entries

QA: N/C Closed: _____ Date: _____

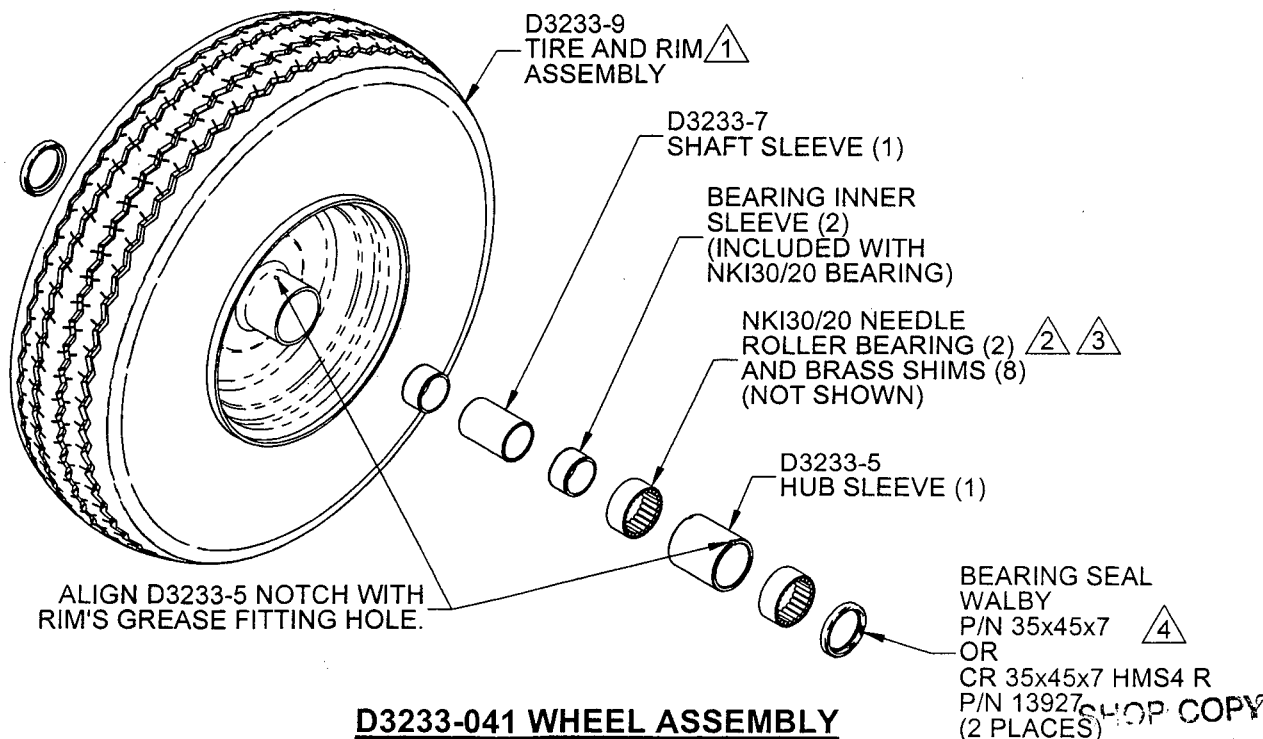
PRELIMINARY ISSUE

DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3233	REV. B SHEET 1 OF 3
DATE 05.03.08	TITLE WHEEL ASSEMBLY		SCALE 1:1
A	05.02.18	NEW ISSUE	
B	05.03.08	ADDED BEARING SEALS	



WHEEL SPECIFICATIONS		
SIZE	MAXIMUM LOAD	MAXIMUM INFLATION LOAD
TIRE: 19.0 x 5.8 RIM: 5.70 x 8.0	910 LBS (RANGE C)	90 PSI*

* MANUFACTURER'S RECOMENDATIONS ARE 75 PSI FOR HIGH SPEED USE.



NOTES:

- 1) POSSIBLE SUPPLIER: McMASTER-CARR, P/N 8353T74
- 2) POSSIBLE SUPPLIER: GENERAL BEARING
- 3) PRESS FIT NEEDLE ROLLER BEARINGS INTO RIM HUB WITH (4) 0.5 X 0.75 X 0.004 BRASS SHIMS PER BEARING, (1) AT EACH QUADRANT
- 4) POSSIBLE SUPPLIER: GENERAL BEARING
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

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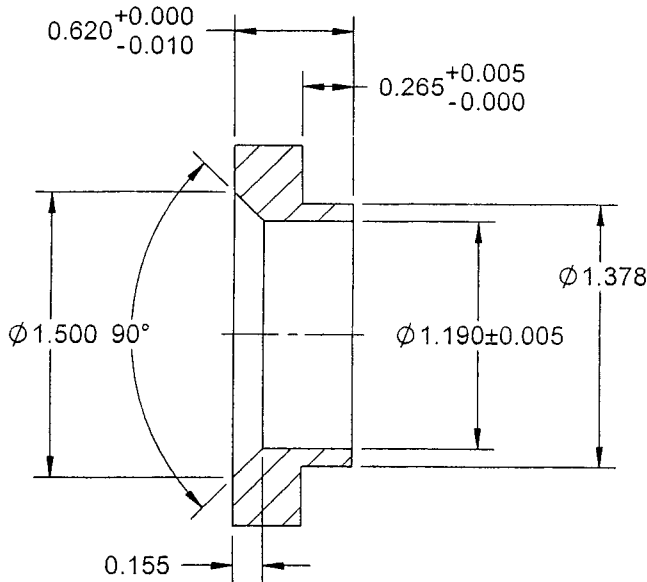
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WORK ORDER

NO. 22926

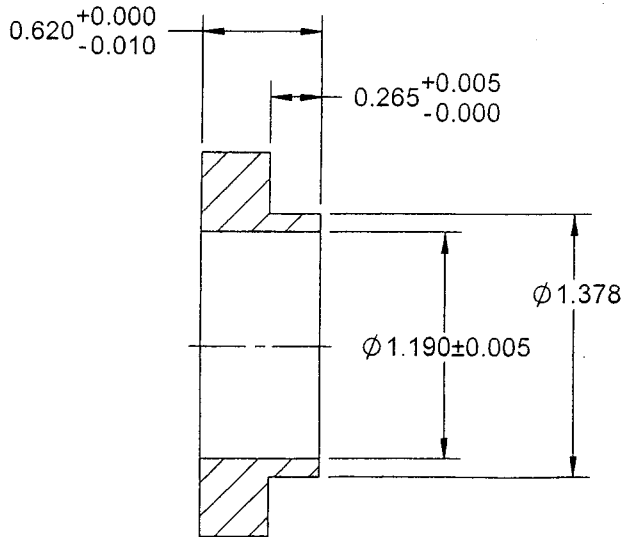
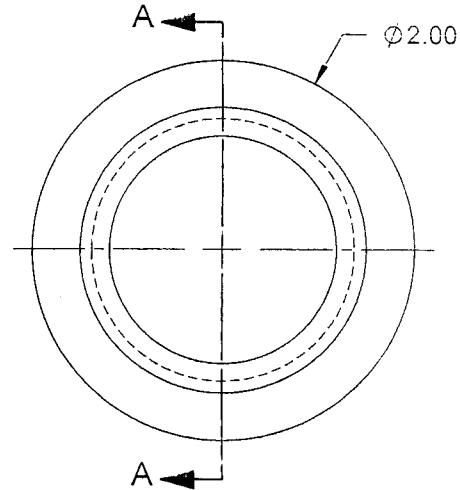
PRELIMINARY ISSUE

DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3233	REV. B SHEET 2 OF 3
DATE 05.03.08	TITLE WHEEL ASSEMBLY		SCALE 1:1



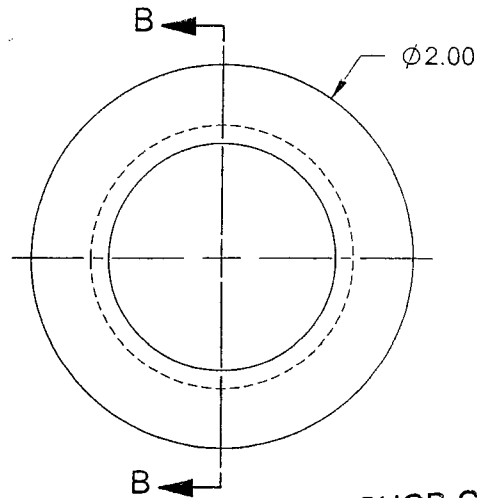
SECTION A-A

D3233-1 INSIDE WASHER



SECTION B-B

D3233-3 OUTSIDE WASHER



NOTES:

- 1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 SRA OR AMS 5075 OR AMS 5077, COLD DRAWN, SEAMLESS (REF. DART SPEC. M1020TR)
- 2) FINISH: POWDER COAT FIRE RED (REF. 4.3.5.10) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

SHOP COPY
RETURN TO
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WORK ORDER
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~1.166

1,147

~~1.185 - 1.165~~

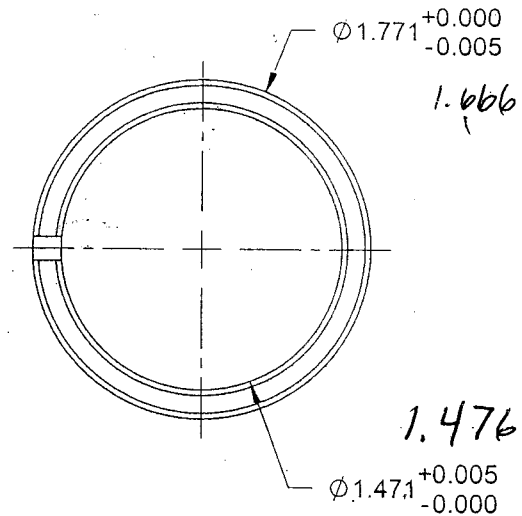
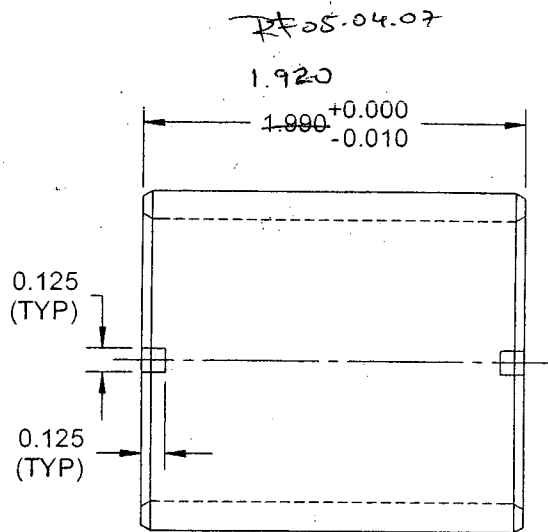
~~1.185 - 1.148~~

~~1.185~~

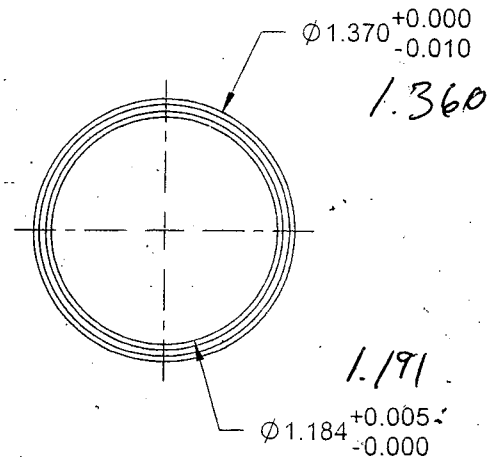
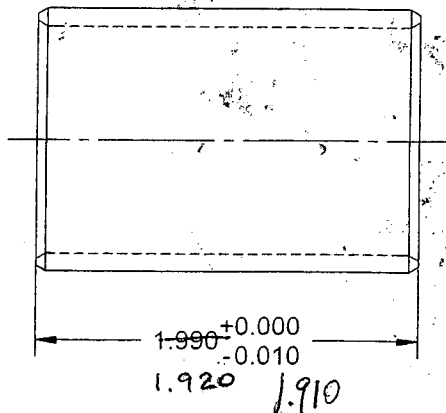
1.185 - 1.155

PRELIMINARY ISSUE

DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3233	REV. B SHEET 3 OF 3
DATE 05.03.08	TITLE WHEEL ASSEMBLY		SCALE 1:1



D3233-5 HUB SLEEVE



D3233-7 SHAFT SLEEVE

NOTES:

- 1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00, MT1020 SRA OR AMS 5075 OR AMS 5077, COLD DRAWN, SEAMLESS (REF. DART SPEC. M1020TR)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.010 TO 0.030

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WORK ORDER

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Job Costing Report

Dart Aerospace Ltd.
Hawkesbury

Apr 04, 2005
12:27 pm

Work Order No : 0022926
Project Name : D3233-5
Project For : WK517
Work Order Type : Main
Main WO Number :
House Part Number : D3233-5
Description : Hub Sleeve
Manufactured : Yes
Amount Req'd : 8
Amount Done : 0
Start Date : 04-04-05
Est Finish Date : 04-22-05
Act Finish Date :
Drawings Req'd : No
Ok for Approval :
Approval Rec'd :

Department Code:
Burden Flags : NNNNNNNN
WO Status : Open
Invoice State : Not Invoiced
Invoice Date :
Invoice Number :
Invoice Amount : 0.00
Order Entry No :
OE Value : 0.00
Est Mark Up : 0.000%
Actual Mark Up : 0.000%
\$0 Posted to Finished Goods

	Estimated	Actual	Var. %	Posted	To Post
Material Cost :	0.00	0.00	0.00	0.00	0.00
Engineering Hours :	0.00	0.00	0.00		
Engineering Cost :	0.00	0.00	0.00	0.00	0.00
Production Hours :	0.00	0.00	0.00		
Production Cost :	0.00	0.00	0.00	0.00	0.00
Packaging Hours :	0.00	0.00	0.00		
Packaging Cost :	0.00	0.00	0.00	0.00	0.00
OverHead Hours :	0.00	0.00	0.00		
OverHead Cost :	0.00	0.00	0.00	0.00	0.00
CNC Hours :	0.00	0.00	0.00		
CNC :	0.00	0.00	0.00	0.00	0.00
Misc. Hours :	0.00	0.00	0.00		
Misc. :	0.00	0.00	0.00	0.00	0.00
Burden :	0.00	0.00	0.00		
Total Cost :	0.00	0.00	0.00		
Mark up :	0.000	0.000			
Selling Cost :	0.00	0.00			

	Estimated	Actual
Labour Hrs/Amount Done :	0.00	0.00
Profits/(Loss) :	0.00	0.00